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Suzanne Henderson

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OIL, GAS AND MINERAL LEASE

THIS AGREEMENT (this "Lease") made this 15th day of Corporation, as Lessor (whether one or more), whose address is: 735 Montgomery 3 Ste 450, San Francisco, CA 94111-2115, and Carrizo Oil and Gas, Inc., whose address is 1000 Louisiana, Suite 1500, Houston, TX 77002, called Lessee, does witness that

All printed portions of this lease were prepared by the party hereinabove named as Lessee, but all other provisions (including the completion of blank spaces) were prepared jointly by Lessor and Lessee

In consideration of a cash bonus in hand paid and the covenants herein contained, Lessor hereby grants, leases and lets exclusively to Lessee the wing described land, hereinafter called leased premises:

Situated in the City of Arlington, Tarrant County, Texas, and being a portion of Lot 1, Block 2, Cottonwood Addition, as shown on plat recorded in Volume 388-172, Page 68, Plat Records, Tarrant County, Texas, and amended Plat in Volume 388-175, Page 44 of said Plat

in the county of <u>Tarrant</u>. State of Texas, containing <u>11.9617</u> gross acres, more or less (including any interests therein which Lessor may hereafter acquire by reversion, prescription or otherwise), for the purpose of exploring for, developing, producing and marketing oil and gas, along with all hydrocarbon and non-hydrocarbon substances produced in association therewith (including geophysical/seismic operations). The term 'gas' as used herein includes helium, carbon dioxide and other commercial gases, as well as hydrocarbon gases. In addition to the above-described leased premises, this lease also covers accretions and any small strips or parcels of land now or hereafter owned by Lessor which are contiguous or adjacent to the above-described leased premises, and, in consideration of the aforementioned cash bonus. Lessor agrees to execute at Lessee's request any additional or supplemental instruments for a more complete or accurate description of the land so covered. For the purpose of determining the amount of any shut-in royalties hereunder, the number of gross acres above specified shall be deemed correct, whether actually more or less.

2. This lease, which is a "paid-up" lease requiring no rentals, shall be in force for a primary term of **2 years** from the date hereof, and for as long thereafter as oil or gas or other substances covered hereby are produced in paying quantities from the leased premises or from lands pooled therewith or this lease is otherwise maintained in effect pursuant to the provisions hereof.

3. Royalties on oil, gas and other substances produced and saved hereunder shall be paid by Lessee to Lessor as follows: (a) For oil and other liquid

3. Royalties on oil, gas and other substances produced and saved hereunder shall be paid by Lessee to Lessor as follows: (a) For oil and other liquid hydrocarbons separated at Lessee's option to Lessor at the wellhead or to Lessor's credit at the oil purchaser's transportation facilities, provided that Lessee shall have the continuing right to purchase such production at the wellhead market price then prevailing in the same field (or if there is no such price then prevailing in the same field in which there is such a prevailing price) for production of similar grade and gravity. (b) for gas (including casinghead gas) and all other substances covered hereby, the royalty shall be 26% of the proceads realized by Lessee from the sale thereof, less a proportionate part of ad valorem taxes and production, severance, or other excise taxes and the costs incurred by Lessee in delivering, processing or otherwise marketing such gas or other substances, provided that Lessee shall have the continuing right to purchase such production at the prevailing wellhead market price paid for production of similar quality in the same field (or if there is no such price then prevailing in the same field, then in the nearest field in which there is such a prevailing price) for in which there is such a prevailing price) pursuant to comparable purchase contracts entered into on the same or nearest preceding date as the date on which Lessee commences its purchases hereunder, and (c) if at the end of the primary term or any time thereafter one or more wells on the leased premises or lands probled therewith are capable of producing oil or gas or other substances covered hereby in paying quantities for the purpose of maintaining this lease. If for a period of 90 consecutive days such well or wells are shut-in or production thereform is not being sold by Lessee, then Lessee shall pay shut-in royalty of one dollar per acre then covered by this lease, such payment to be made to Lessor's credit in the expectatory designated below, on or before th

In royalty shall render Lessee liable for the amount due, but shall not operate to terminate this lease.

4. All shub-in royalty payments under this lease shall be paid or tendered to Lessor or its successors, which shall be Lessor's depository agent for receiving payments regardless of changes in the ownership of said land. All payments or tenders may be made in currency, or by check or by draft and such payments or tenders to Lessor or to the depository by deposit in the US Malis in a stamped envelope addressed to the depository or to the Lessor at the last address known to Lessee shall onstitute proper payment. If the depository should liquidate or be succeeded by another institution, or for any reason fail or refuse to accept payment hereunder. Lessor shall, at Lessee's request, deliver to Lessee a proper recordable instrument naming another institution as depository agent to receive payments.

5. If Lessee drills a well-which is incapable of producing in paying quantities (hereinafter called "dry hole") on the leased premises or lands pooled therewith, or if all production (whether or not in paying quantities) permanently ceases from any cause, including a revision of unit boundaries pursuant to the provisions of Paragraph 6 or the action of any governmental authority, then in the event this lease is not otherwise being maintained in force in the lands are premises or lands pooled therewith within 90 days after completion of operations on such dry hole or within 90 days after such cessation of all production. If at the end of the primary term, or at any time therewather, this lease is not otherwise being maintained in force but Lessee is then engaged in drilling, reworking or any other operations reasonably calcutated to obtain or restore production therefrom, this lease shall remain in force so long as any one or more of such operations are prosecuted with no cessation of more than 90 consecutive days, and if any such operations result in the production of oil or gas or other substances covered hereby, as

leased premises as to formations then capable of producing in paying quantities on the leased premises or lands pooled therewith, or (b) to protect the leased premises from uncompensated drainage by any well or wells located on other lands not pooled therewith. There shall be no coverant to drill exploratory wells or any additional wells except as expressly provided herein.

6. Lessee shall have the right but not the obligation to pool all or any part of the leased premises or interest therein with any other lands or interests, as to any or all depths or zones, and as to any or all substances covered by this lease, either before or after the commencement of production, wherever Lessee deems it necessary or proper to do so in order to prudently develop or operate the leased premises, whether or not similar pooling authority exists with respect to such other lands or interests. The unit formed by such pooling for an oil well which is not a horizontal completion shall not exceed 80 acres plus a maximum acreage tolerance of 10%; provided that a larger unit may be formed for an oil well or as horizontal completion to conform to any well spacing or density pattern that may be prescribed or permitted by any governmental authority having jurisdiction to do so, for the purpose of the foregoing, the terms "oil well" and "gas well with an initial gas-oil ratio of 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel had "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel and "gas well" means a well with an initial gas-oil ratio of 100,000 cubic feet per barrel had

conveyance of interests.

7. If Lessor owns less than the full mineral estate in all or any part of the leased premises, the royalties and shut-in royalties payable hereunder for any well on any part of the leased premises or lands pooled therewith shall be reduced to the proportion that Lessor's interest in such part of the leased premises bears to the full mineral estate in such part of the leased premises.

8. The interest of either Lessor or Lessee hereunder may be assigned, devised or otherwise transferred in whole or in part, by area and/or by depth or zone, and the rights and obligations of the parties hereunder shall extend to their respective heirs, devisees, executors, administrators, successors and assigns. No change in Lessor's ownership shall have the effect of reducing the rights or enlarging the obligations of Lessee hereunder, and no change in ownership shall be binding on Lessee until 60 days after Lessee has been furnished the original or certified or duly authenticated copies of the documents establishing such change of ownership to the

satisfaction of Lessee or until Lessor has satisfied the notification requirements contained in Lessee's usual form of division order. In the event of the death of any person entitled to shut-in royalties hereunder, Lessee may pay or tender such shut-in royalties to the credit of decedent or decedent's estate in the depository designated above. If at any time two or more persons are entitled to shut-in royalties hereunder, Lessee may pay or tender such shut-in royalties to such persons or to their credit in the depository, either jointly or separately in proportion to the interest sher leach owns. If Lessee transfers its interest hereunder in whole or in part Lessees shall be relieved of all obligations thereafter arising with respect to the transferred interest, and failure of the transferred to satisfy such obligations with respect to the transferred interest shall not affect the rights of Lessee with respect to any interest not so transferred. If Lessee transfers a full or undivided interest in all or any portion of the area covered by this lease, the obligation to pay or tender shut-in royalties hereunder shall be divided between Lessee and the transferee in proportion to the net acreage interest in this lease then held by each.

- not affect the rights of Lessee with respect to amy interest not so transferred. If Lessee transfers a full or undivided interest in all or any portion of the area covered by this lease, the obligation to pay or tender shut-in royalities hereunder shall be divided between Lessee and the transferee in proportion to the net acreage interest in this lease then held by each.

 9. Lessee may, at any time and from time to time, deliver to Lessor or file of record a written release of this lease as to a full or undivided interest in all or any portion of the area covered by this lease or any depths or zones thereunder, and shall thereupon be releived of all obligations thereafter arising with respect to the interest so released. If Lessee releases all or an undivided interest in less than all of the area covered hereby, Lessee's obligation to pay or tender shut-in royalities shall be proportionately reduced in accordance with the net acreage interest retained hereunder.

 10. Lessor hereby agrees that, in the event Lessee deems it necessary to seek a variance, waiver or other relief from any laws, rules, regulations, or orders (which for purposes of this paragraph shall include any ordinance) or other such authority exercised by (i), the City of Arington, including but not kimited to the well settable distance for gas drilling and production, or (ii) by any other governmental entity or authority having jurisdiction, then Lessor shall engage in reasonable acts and execute and deliver such instruments and documents Lessee deems necessary or convenient in seeking such relief. In the event Lessee is required by such authority to acquire Lessor's consent as a prerequisite to obtain such variance, waiver or other relief, Lesseo grants to Lessee and agrees that Lessee's leasehold estate acquired hereunder includes the right to utilize this lease as Lessor's consent and rationation or any subsequent variance, waiver or other relief. Lessee seal to the term the recessity of Lessee obtaining any additional or subsequent consenty'

- preferred right and option to purchase the lease or part thereof or interest therein, covered by the offer at the price and according to the terms and conditions specified in the offer.

 13. No litigation shall be initiated by Lessor with respect to any breach or default by Lessee hereunder, for a period of at least 90 days after Lessor has given Lessee written notice fully describing the breach or default, and then only if Lessee fails to remedy the breach or default, within such period. In the event the matter is it its detail under the price of the lease premises occurred, this lease shall not be forfisted or canceled in whole or in part unless Lessee is given a reasonable time after said judical determination to remedy the breach or default had Lessee fails to do so.

 14. Lessee shall not conduct any surface operations upon any part of the surface of the lease premises. Lessee shall however have a <u>sub-surface</u> easement to horizontality drill under the surface of the lease premises. Notwithstanding anything contained herein to the contrary, Lessee shall however have a <u>sub-surface</u> easement to horizontality drill under the surface of the lease premises. Notwithstanding anything contained herein to the contrary, Lessee shall however have a <u>sub-surface</u> easement to horizontality drill under the surface of the lease premises. Notwithstanding anything contained herein to the contrary, Lessee shall have the right to conduct exploration, but only by writte of the vibroseis-method. Lessee shall employ such measures as will reduce the impact upon, improvements, vegetation and game habitation the lease premises. Lessee shall pay for all damages related to seismic operations. Other than seismic operations, by execution of this Lease, Lessee, classee does not otherwise obtain the night to conduct exploration, excavation or drilling operations from or upon the surface of any portion of the lease premises.

 15. Lessor hereby warrants and agrees to defend tille conveyed to Lessee hereunder, and agrees that Lessee at Les

IN WITNESS WHEREOF, this lease is executed to be effective as of the date first written above, but upon execution shall be binding on the signatory and the heirs, devisees, executors, administrators, successors and assigns, whether or not this lease has been executed by all parties hereinabove named as Leasor.

IN WITNESS WHEREOF this instrument is execu	ited on the date first above written.
LESSOR: Rich State-Afkansas Inc., a Texas Corp.	LESSOR:
Name: the same same same same same same same sam	Name: (Individually and in all Capacities for the above described Land)
Title: V	Title:
STATE OF TEXAS	
COUNTY OF	
Before me, the undersigned authority, on this day personal is subscribed to the forgoing instrument, and acknowledged to me the capacity therein stated.	ly appeared and known to me to be the person whose name at he/she executed the same for the purpose and consideration therein expressed and in the
Given under my hand and seal of office this day of	. 2008.
	Notary Public, State of Texas
My commission expires:	Notary's printed name
STATE OF TEXAS	
COUNTY OF	
Before me, the undersigned authority, on this day personal subscribed to the forgoing instrument, and acknowledged to me that I capacity therein stated.	ly appearedk nown to me to be the person whose name is he/she executed the same and for the purpose and consideration therein expressed and in the
Given under my hand and seal of office this day of	. 2008.
	Notary Public, State of Texas
Mu commission avaisas	Notary's printed name

State of California

Name:

(typed or printed)

County of San Francisco

day of July, 2008 before me, Jill Penrod a Notary Public, personally appeared who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/are subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their authorized capacity(ies), and that by his/her/their signature(s) on the instrument the person(s), or the entity upon behalf of which the person(s) acted, executed the instrument. I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct. JILL PENROD COMM. #1703091 NOTARY PUBLIC - CALIFORNIA SAN FRANCISCO COUNTY COMM. EXPIRES NOV. 19, 2010 WITNESS my hand and official seal. Signature

(Seal)